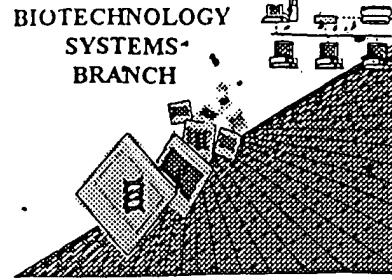


RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/701926A

Source: PCT09

Date Processed by STIC: 11/14/01

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THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).

Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be downloaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

Raw Sequence Listing Error Summary

<u>ERROR DETECTED</u>	<u>SUGGESTED CORRECTION</u>	<u>SERIAL NUMBER:</u> <u>09/201926A</u>
ATTN: NEW RULES CASES: PLEASE DISREGARD ENCLISI "ALPIIA" HEADERS, WHICH WERE INSERTED BY P		
1 <input type="checkbox"/> Wrapped Nucleic <input type="checkbox"/> Wrapped Amino	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was received in a word processor after creating it. Please adjust your right margin to 0; this will prevent "wrapping."	
2 <input type="checkbox"/> Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 <input type="checkbox"/> Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 <input type="checkbox"/> Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 <input type="checkbox"/> Variable Length.	Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>.<223> section that some may be missing.	
6 <input type="checkbox"/> PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>.<223> section to be missing from amino acid sequence(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>.<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>.<223> sections for Artificial or Unknown sequences.	
7 <input type="checkbox"/> Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence (i) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (ii) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (iii) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID.NO where "X" is shown) This sequence is intentionally skipped	
8 <input type="checkbox"/> Skipped Sequences (NEW RULES)	Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
9 <input checked="" type="checkbox"/> Use of n's or Xaa's (NEW RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence <210> sequence id number <400> sequence id number 000	
10 <input type="checkbox"/> Invalid <213> Response	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>.<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents	
11 <input type="checkbox"/> Use of <220>	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>.<223> section is required when <213> response is Unknown or Artificial Sequence	
12 <input type="checkbox"/> PatentIn 2.0 "bug"	Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
13 <input type="checkbox"/> Misuse of n	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.		

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/701,926A

DATE: 11/14/2001
TIME: 13:53:41

Input Set : A:\sequencelisting.txt
Output Set: N:\CRF3\11142001\I701926A.raw

3 <110> APPLICANT: THE UNIVERSITY OF QUEENSLAND
5 <120> TITLE OF INVENTION: PHENOTYPE MODIFYING GENETIC SEQUENCES
7 <130> FILE REFERENCE: 111590-120
9 <140> CURRENT APPLICATION NUMBER: 09/701,926A
C--> 10 <141> CURRENT FILING DATE: 2000-12-04
12 <150> PRIOR APPLICATION NUMBER: PP3901
13 <151> PRIOR FILING DATE: 1998-06-04
15 <150> PRIOR APPLICATION NUMBER: PP6174
16 <151> PRIOR FILING DATE: 1988-09-25
18 <150> PRIOR APPLICATION NUMBER: PP6169
19 <151> PRIOR FILING DATE: 1998-09-25
21 <150> PRIOR APPLICATION NUMBER: PP3903
22 <151> PRIOR FILING DATE: 1998-06-04
24 <160> NUMBER OF SEQ ID NOS: 39
26 <170> SOFTWARE: PatentIn Ver. 2.0

Does Not Comply
Corrected Diskette Needed

See pages 2, 4 and 8

Does Not Comply
Corrected Diskette Needed

ERRORED SEQUENCES

82 <210> SEQ ID NO: 3
83 <211> LENGTH: 6263
84 <212> TYPE: DNA
85 <213> ORGANISM: Tomato
87 <400> SEQUENCE: 3
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90 aacttcatca tcatacagta tggtttgtat atgctcttcc attatcactg agccttatga 180
91 ttatgtttta cgagcttata atatcactga tggtgattca gtattgtat tatgtccttc 240
92 gttgattatt ctgtttcata caagtcgtgt aatttgcgtt ttgtgacagt acgatagatc 300
93 gactcaacct tctgaggtat tagttgaagt tcatgtaaat tagttttgtt tatcatagta 360
94 gcatttgatt attgtatgctc tggtagctaat gataagccat tggagggaag caagcttct 420
95 aaatgaatct acgaatggat gataaaagttc atgaatattt ttgttacttc tgcagtcaga 480
96 tcatgagttt ttgagtcata ttgtttttta agcctgttcc agatgatcca tcatcagtaa 540
97 caacatacac ggtgttagtcc caaatccatc atatgcacct tcttttcttca aatttggct 600
98 tggttttttt ttttcatgtat gtcattgaat tattcaagaa gtcacttcga gcataatgtat 660
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102 ttctcaattt ttatatttcc acaacttaaa tacagaccgc acaactcccg tgcactgtgt 900
103 gtcgtcgct cagcatgcaa gtcgagaaaa gaaagaccaa aacaatgaaa actttacgaa 960
104 aaatcaaaaa gttgaaggac tttaacgtcg agatctctcg tagaaaaacct cttttgtaa 1020
105 gttgcataca atactttttt ttcaagactt acttatggta ttatactgaa tatgttattt 1080
106 ctgttatagt agttgagtga cgtttgaggaa aatttcttagt ccgttaatct tgcactgt 1140
107 gttgtctactt ttcaaaaaag tcaagttttc agtctctaaa acacattaa ataagagttt 1200
108 ctttgcctcat cttttgttcc tcatccttagg cttggagtca acacaacaca acaacaatgaa 1260
109 atttccattt ttctgtttct ttacttctct ctttatcttct tcctatgttt gcctcttcga 1320
110 cggtgttattt tcaggtatcc atctccaaag aaccttattt ttctcttaac ttttcctatg 1380

Errored: Must Enumerate Unknown
Example
Field 221 "unuse" (1...6263)
Field 222 (1...6263)
Field 223 n = a or c or t or g

* The type of errors shown exist throughout
the Sequence Listing. Please check subsequent
sequences for similar errors. *

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PATENT APPLICATION: US/09/701,926A

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 113 gatggtacaa ctctctcatc aacttagttc cgacttggc taaagctgga gttactcatg 1560
 114 ttgggtgcc accatcatct cactccgtt ctcctcaagg taatttcgg agtattgtg 1620
 115 acctagtaat ccaatgaagt caaaataacc acggaagatt agatctaaa tttaatgaa 1680
 116 aatagttca acaagttaat gaccaactta tatattagtt caatccataa aatttgatgt 1740
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 118 caggaagggt gtatgactag gatgttcca agttggaaa tcagcaacaa ctgaaaactc 1860
 119 ttattaaggc tttaacatga ccacgggatc aaatcggtt ctgatatagt gataaatcat 1920
 120 agaactgctg ataacaaga tagcagggg aatacagca tcttgaagg aggaacatct 1980
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 125 atgggaaaca cgtccccggg tttgtctttt ggtgaattgt ggaactctct tgcattatggc 2280
 126 caggaaggc aaccgaaata taaccaggac aatcatagaa atgagctagt tgggtggta 2340
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 128 gcagttcaag aagagttatg gagattgaag gatccatg gaaaacctcc tggatgatc 2460
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 131 ccaggaatcc catccgtggt aaaaaaaaata aataaattct ttctacatat ctcatgttt 2640
 132 tctatttac aagaattta tattcttcc cagggattt gagaactcg gcctgtggg 2700
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 E--> 136 gagttggagt agttatgtc caaataaaac caagctgagg tgcacatctca 2940
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/701,926A

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The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

RAW SEQUENCE LISTING
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 336 tacacataact tatgagaagg aaaatacgaa atacgctct tcaagacgag ttgaactttg 660
 337 taaaattgtt tagtattatg atatgttaat gaggaaatgt agattttgtt gtagtttgtt 720
 338 gattttaga atctgtctt aaaaaggact tacatgttga ggcaaactgt ataaaggta 780
 339 aattgtcaat aacacacatc aaaatattgg accagtattt taagtaattt ttctgtata 840
 340 aaggctatgt tgctcaaatac cttcaaaaat ctcgacagat gcatggcacc ggtagtgcatt 900
 341 tttttgaat gagctggata cgagtgcattt aatataattt ggaagttga gcaaaataga 960
 342 cctgaaattt ctttagctt ttctttttt aaggaatcgg atatgggtac aataatattt 1020
 343 ttgaagagtc tgagcaacat agactactt cggtaggatg aggataagat taaaattttt 1080
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 355 <211> LENGTH: 1193
 356 <212> TYPE: DNA
 357 <213> ORGANISM: Tomato
 359 <400> SEQUENCE: 13
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 367 gattttgtgg gggttcagca aattttttt tttttttttt gttttttttt ttttattctgt 480
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E--> 372 tttaaacagag tcactaacat tcataatgtt gacccatgtt gttttttttt tttttttttt 780
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RAW SEQUENCE LISTING

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 576 gtaatttcta tatattcagt acaatttgc tagtccaaac agcttccca gtaacacata 360
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 597 <213> ORGANISM: Tomato
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E--> 602 ctatgttta gttaaaactt ctagaaaaat anntatttcc tattataacctt tttagttt 180
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 614 ttgtgtgtg gttaaagtt tacaaaaat aattttcc aattatacgc taaagttt 180
E--> 615 atgagattttt atatttcattg taattgggtc aannnaatag ataattgacc gataatatta 240
 616 ttttttataa cattt 255
 647 <210> SEQ ID NO: 39
 648 <211> LENGTH: 197
 649 <212> TYPE: DNA
 650 <213> ORGANISM: Tomato
 652 <400> SEQUENCE: 39
E--> 653 ttatataattt gtatttgcattt aaagtgaaag agacgatggnn gagagtagcgtc agcgagatta 60

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/701,926A

DATE: 11/14/2001

TIME: 13:53:41

Input Set : A:\sequencelisting.txt

Output Set: N:\CRF3\11142001\I701926A.raw

E--> 654 aaaaagagtg gcgaacgnnn nnagatatgc cgtaaattag aattaaatga aactgtcatt 120
E--> 655 ataacattta ttttgaataa ataattttga tataatacac aatttcnnt taaaaagcaa 180
E--> 656 cgannnnnnng ataatgt 197
E--> 659 - 1

Delete End of file Non ASCII Text

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/701,926A

DATE: 11/14/2001

TIME: 13:53:42

Input Set : A:\sequencelisting.txt

Output Set: N:\CRF3\11142001\I701926A.raw

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:136 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3
M:340 Repeated in SeqNo=3
L:200 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:4
M:340 Repeated in SeqNo=4
L:285 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:9
L:314 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:11
L:326 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:12
M:340 Repeated in SeqNo=12
L:372 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:13
M:340 Repeated in SeqNo=13
L:387 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:14
M:340 Repeated in SeqNo=14
L:399 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:15
M:340 Repeated in SeqNo=15
L:543 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:32
L:583 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:33
M:340 Repeated in SeqNo=33
L:602 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:34
M:340 Repeated in SeqNo=34
L:612 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:35
M:340 Repeated in SeqNo=35
L:653 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:39
M:340 Repeated in SeqNo=39
L:659 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:197 SEQ:39